

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-8-82	
Company TEXACO Inc.				Connection El Paso Natural Gas Co.		
Pool SKAGGS ABO				Formation ABO		Unit
Completion Date 12-17-81		Total Depth 7700'		Plug Back TD 7320'		Elevation 3559'
Farm or Lease Name C. H. Weir 'A'						Well No. 12
Csg. Size 7	Wt. 23	d 	Set At 7700'	Perforations: From 7049 To 7286		Unit Sec. Twp. Rge. G 12 20-S 37E
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 7000'	Perforations: From To		Unit Sec. Twp. Rge. G 12 20-S 37E
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. O. Multiple				Packer Set At 7000'		County Lea
Producing Thru Tubing		Reservoir Temp. °F @ 140		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2
State New Mexico						Prover 4
L 7167	H 7167	G _g .692	% CO ₂ 0.6	% N ₂ 5.7	% H ₂ S 0.0	Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							2098	60			
1.	4	1.500		37.8	2.6	71	2020	74			1.00
2.	"	"	"	39.6	13.7	73	1924	74			"
3.	"	"	"	39.6	21.2	73	1800	75			"
4.	"	"	"	43.3	37.2	66	1617	75			"
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	10.84	11.4	51.0	0.9896	1.202	1.006	151
2.	"	26.9	52.8	0.9877	"	"	355
3.	"	33.4	52.8	0.9877	"	"	492
4.	"	45.8	56.5	0.9943	"	"	610
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
					Specific Gravity Separator Gas _____		
					Specific Gravity Flowing Fluid _____		
					Critical Pressure _____ P.S.I.A.		
1.	0.08	531	1.35	0.989	Critical Temperature _____ R		
					Rate of Flow Q, Mcfd		
					Rate of Flow Q, Mcfd		
					Rate of Flow Q, Mcfd		
					Rate of Flow Q, Mcfd		
2.	0.08	533	1.36	0.988	Rate of Flow Q, Mcfd		
3.	0.08	533	1.36	0.988	Rate of Flow Q, Mcfd		
4.	0.09	526	1.34	0.987	Rate of Flow Q, Mcfd		
5.					Rate of Flow Q, Mcfd		

P _c 2111 P _c ² 4457.2				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.650$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.162$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1	4133.9	2034	4138.8	318.4			
2	3752.7	1939	3759.7	697.4			
3	3287.7	1815	3296.0	1161.2			
4	2657.6	1634	2669.2	1788.0			
5							

Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope θ _____ 51.6		Slope, n _____	
Remarks: _____							
Approved By Commission: ORIGINAL SIGNED BY JERRY SEXTON		Conducted By: R. E. Lee		Calculated By: Computer		Checked By:	

RECEIVED

OCT 19 1982

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FEDERAL BUREAU OF INVESTIGATION